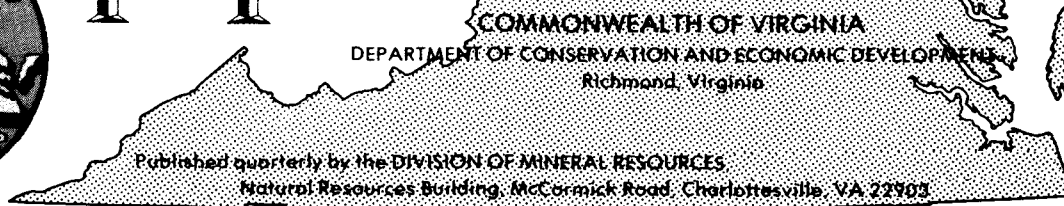
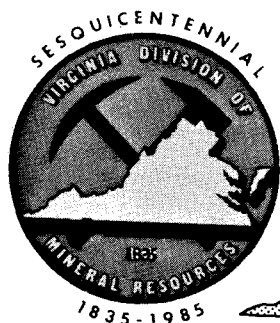


VIRGINIA

MINERALS



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MINERAL PRODUCTION IN VIRGINIA FOR 1982

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Mineral production in Virginia in 1982 was valued at 1.70 billion dollars (Table 1), compared to 1.79 billion dollars in 1981. Total production was lower because of the economic slowdown that developed during the late part of 1979 and continued through 1982. Rank of mineral commodities produced in 1982, by total sales, was coal, stone, cement, lime, sand and gravel, and natural gas. Virginia led the Nation in the production of kyanite and a feldspar marketed as "Virginia Aplite," was one of three states producing vermiculite, and was the fourth leading state in production of crude iron-oxide pigments.

NONFUEL MINERAL PRODUCTION

Virginia ranked 24th in nonfuel mineral production in 1981 with \$283 million. Following is a brief summary of the leading commodities produced by value.

Stone production, both crushed and dimension, amounted to 35,204,000 short tons for a value of \$143,430,000. Rock materials crushed included

limestone, dolomite, sandstone, quartzite, granite, gneiss, diabase, basalt, amphibolite, slate, feldspar, and marble from approximately 115 quarries. Products include roadstone (polishing and non-polishing), concrete aggregate, asphalt stone, agricultural applications, ferrosilicon, and manufactured fine aggregate. The largest stone producers in Virginia include Lone Star Cement, Inc., Luck Stone Corporation, and Vulcan Materials Company.

Table 1. Mineral production in Virginia for 1982.¹

Mineral Material	Quantity (thousands)	Value
Clays------(thousand short tons)----	481	\$ 2,094
Coal (bituminous) ² (\$35/ton)---(thousand short tons)----	40,481	1,416,845
Gem Stones-----	NA	20
Lime------(thousand short tons)----	641	29,118
Natural Gas ² (\$3.50/1000 cu.ft.)(million cubic feet)---	6,880	24,084
Petroleum (crude) ² (\$30/bbl.)---(42 gallon barrels)---	49,425	1,483
Sand and Gravel ³ ------(thousand short tons)----	6,978	28,522
Stone:		
Crushed------(thousand short tons)----	35,200	142,300
Dimension------(thousand short tons)----	4	1,130
Combined value of cement, feldspar, gypsum, iron oxide pigments (crude), kyanite, sand and gravel (industrial), sulfur, talc (soapstone), vermiculite--	XX	53,830
Total-----	XX	1,699,426

NA Not available. XX Not applicable.

¹ Production as measured by mine shipments, sales, or marketable production (including consumption by producers) - from U.S. Bureau of Mines.

² Virginia Department of Labor and Industry

³ Excludes industrial sand; value included in "Combined value" figure.

¹Nonfuel mineral production, Virginia Division of Mineral Resources, Charlottesville, VA

²Coal production, Oil and Gas Inspector, Abingdon, VA

³Oil and gas production, former Oil and Gas Inspector Virginia Department of Labor and Industry; presently employed by ANR Production Company, Jackson, MS.

Portland, masonry, and calcium aluminate cement were produced in Virginia in 1982. River-ton Corporation in Warren County produced masonry cement by calcining crushed limestone and mixing it with purchased portland cement. Lone Star Cement, Inc. in Botetourt County, produced portland cement from locally mined limestone and shale. Lone Star La Farge, Inc., located in the city of Chesapeake, operates a plant which produces three grades of calcium aluminate cement from purchased quicklime and alumina. Cement clinkers also continue to be imported to produce their low alumina cement.

Virginia's lime industry is located in northern Virginia (Frederick and Shenandoah counties) and west-central-southwest Virginia (Giles and Smyth counties). Six companies produced 641,000 short tons valued at \$29,118,000. In contrast production of lime in 1981 was 804,000 short tons valued at \$35,984,000. Principal sales were to the paper and steel industries; the paper industry uses lime for regeneration of sodium hydroxide and the neutralization of sulfate water, a by-product of paper manufacture. The steel industry uses lime to control slagging.

Six million, nine hundred and seventy eight thousand short tons of sand and gravel were produced at a value of \$28,522,000 by more than 100 active pits, mostly in the Coastal Plain province in eastern Virginia. Total production was less than 1981, because of the continued slump in the construction industry.

Other materials produced in Virginia in 1982, include kyanite, produced by Kyanite Mining Corporation in Buckingham County for use in the refractories and ceramic industries and vermiculite by Virginia Vermiculite Ltd. in Louisa County. Gypsum was produced by the U. S. Gypsum Company in Smyth County for use in wallboard and miscellaneous and absorbent clay materials (419,000 short tons valued at \$2,094,000) were produced for production of brick, lightweight aggregate, and industrial and pet absorbent from three main areas in the State. Glass-grade feldspar was produced in Hanover County by the Feldspar Corporation. The material is used in the glass industry to impart a chemical stability to the finished glassware. Talc for foundry applications was produced by Blue Ridge Talc Company, Inc. in Franklin and Henry counties in southern Virginia. By-product elemental sulfur was recovered by Amoco Oil Company at their refinery in York County in eastern Virginia. Iron-oxide pigments were produced from Pulaski County; the finished product is marketed as a coloring agent.

Materials obtained from out-of-state and processed in Virginia during the year include lithium, magnetite, manganese, mica, and perlite.

COAL PRODUCTION

Coal production in Virginia was 40,482,288 tons in 1982. This represents a decrease of 3.6 percent (1.5 million tons) from the 1981 production of 41,977,804 tons. Buchanan County produced the most coal in 1982 (15.2 million tons), a decrease of 18.8 percent from 1981 production. All other producing counties, except Russell and Scott, increased production in 1982 over 1981. The number of mines in Virginia decreased by six percent from 1981. The following tables (2-4) give the coal production in Virginia for 1982.

Table 2. Coal production by bed during 1982.¹

Name of Bed ²	Production: Millions of Short Tons	Percentage of Total Production
High Splint	0.36	0.89
Morris	0.57	1.41
Pardee	1.23	3.09
Wax	0.07	0.42
Gin Creek	0.00	0.00
Phillips	0.00	0.00
Low Splint	0.73	1.80
Taggart	1.87	4.63
Taggart Marker	0.27	0.67
Kirk	0.15	0.37
Harlan	0.11	0.27
Upper St. Charles	0.00	0.00
Lower St. Charles	0.05	0.12
Upper Standiford	0.19	0.47
Cedar Grove	0.19	0.47
Lower Cedar Grove	0.00	0.00
Pinhook	0.03	0.07
Kelly	0.98	2.42
Stone Creek	0.00	0.00
Isboden	1.86	4.59
Campbell Creek	0.07	0.17
Rocky Ford	0.04	0.10
Addington	0.00	0.00
Clintwood	2.18	5.38
Eagle	0.95	2.35
Blair	3.02	7.46
Lyons	0.45	1.16
Dorchester	1.75	4.32
Norton	0.70	1.73
Hagy	0.71	1.75
Splashdam	2.98	7.36
Upper Banner	3.10	7.65
Lower Banner	1.45	3.58
Big Fork	0.05	0.12
Caldwell	0.00	0.00
Kennedy	1.59	3.93
Ailly	0.00	0.00
Raven	1.99	4.91
Jawbone	4.59	11.33
Tiller	1.56	3.85
Upper Seaboard	0.01	0.02
Grassy Creek	0.51	1.26
Middle Seaboard	0.11	0.27
Lower Seaboard	0.54	1.33
Upper Horsepen	0.50	1.23
Middle Horsepen	0.00	0.00
"C"	0.00	0.00
War Creek	0.00	0.00
Lower Horsepen	0.04	0.10
Pocahontas #8	0.05	0.12
Pocahontas #7	0.00	0.00
Pocahontas #6	0.00	0.00
Pocahontas #5	0.32	0.79
Pocahontas #4	0.00	0.00
Pocahontas #3	2.44	6.02
Cove Creek	0.00	0.00
Eagen	0.00	0.00
Carter	0.00	0.00
Tacus	0.00	0.00
Starnes	0.00	0.00
Burton's Ford	0.00	0.00
	40.50	

1. Calculated by subtracting coal reserves as of 1/1/83 from reserves as of 1/1/82 as reported in the 1981 Annual Report of the Virginia Department of Labor and Industry and Department of Labor and Industry data.

2. No attempt was made to correlate coal beds and names. Coal with the same name may not correlate from one area to another. e.g. The Raven coal of Wise County, according to USGS Circular 171, correlates to the Ailly coal of Dickenson County.

Table 3. Coal production by bed for six counties during 1982.

Coals Mined in Buchanan County

Name of Bed	Production 1980 1*	Production 1981 2*	Production 1982 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
Cedar Grove	0.10	0.81	0.19	0.65	3.80
Lower Cedar Creek	0.00	0.00	0.00	0.82	2.27
Campbell Creek	0.01	0.11	0.07	48.28	49.75
Clintwood	0.24	0.14	0.22	61.37	92.78
Eagle	1.23	1.05	0.91	190.09	215.70
Blair	2.93	2.56	2.03	27.38	61.68
Dorchester	1.04	0.80	0.43	92.85	105.33
Hagy	1.01	1.12	0.70	263.52	303.77
Splashdam	2.35	2.97	2.29	643.73	708.50
Upper Banner	0.18	0.06	0.03	0.54	5.83
Lower Banner	0.12	0.08	0.11	279.99	286.43
Big Fork	0.00	0.00	0.00	9.46	9.53
Kennedy	2.01	2.04	1.42	726.55	771.95
Ailly	0.02	0.40	0.00	41.83	42.29
Raven	0.88	1.00	0.87	508.89	575.69
Jawbone	1.53	1.87	2.34	320.61	336.93
Tiller	0.81	0.94	1.19	65.35	77.44
Lower Seaboard	0.00	0.00	0.00	7.55	7.65
War Creek	0.00	0.00	0.00	2.89	2.96
Pocahontas #3	3.26	3.33	2.44	63.41	113.94
Total	17.72	18.78	15.24	3,355.76	3,774.22

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Coals Mined in Lee County

Name of Bed	Production 1980 1*	Production 1981 2*	Production 1982 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
High Splint	0.00	0.00	0.00	0.00	0.84
Morris	0.00	0.00	0.25	2.24	2.77
Pardee	0.00	0.04	0.01	2.06	2.31
Wax	0.00	0.07	0.17	1.92	2.46
Gin Creek	0.00	0.00	0.00	1.59	1.63
Phillips	0.00	0.00	0.00	9.56	13.17
Low Splint	0.18	0.03	0.14	19.98	21.41
Taggart	0.53	0.51	0.78	37.11	46.59
Taggart Marker	0.07	0.02	0.03	28.44	32.89
Kirk	0.03	0.01	0.15	0.86	1.76
Harlan	0.19	0.11	0.11	111.62	117.67
Upper St. Charles	0.00	0.07	0.00	6.53	6.68
Lower St. Charles	0.09	0.10	0.05	32.19	33.63
Pinhook	0.00	0.00	0.00	9.13	9.13
Kelly	0.01	0.00	0.00	15.95	15.98
Stone Creek	0.00	0.00	0.00	0.63	0.63
Imboden	0.02	0.18	0.01	53.77	55.48
Clintwood	0.00	0.00	0.00	84.35	84.66
Blair	0.01	0.00	0.02	9.12	9.34
Lyons	0.00	0.00	0.00	5.73	5.77
Dorchester	0.05	0.07	0.00	1.56	2.01
Total	1.18	1.21	1.72	434.34	466.71

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Coals Mined in Tazewell County

Name of Bed	Production 1980 1*	Production 1981 2*	Production 1982 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
Lower Banner	0.00	0.00	0.00	0.32	0.34
Big Fork	0.00	0.00	0.00	0.99	0.99
Caldwell	0.01	0.00	0.00	4.83	4.87
Kennedy	0.00	0.00	0.00	8.78	9.24
Ailly	0.00	0.00	0.00	1.90	1.90
Raven	0.06	0.06	0.13	30.02	33.40
Jawbone	0.00	0.00	0.00	72.32	73.74
Tiller	0.33	0.25	0.20	42.11	44.73
Upper Seaboard	0.00	0.01	0.01	34.60	35.52
Grassy Creek	0.00	0.02	0.11	12.33	12.86
Middle Seaboard	0.15	0.17	0.51	21.29	22.07
Lower Seaboard	0.82	0.66	0.54	66.27	74.38
Upper Horsepen	0.31	0.15	0.50	52.07	57.06
Middle Horsepen	0.01	0.01	0.00	30.66	32.86
"C"	0.00	0.00	0.00	18.00	18.11
War Creek	0.00	0.00	0.00	80.33	80.37
Lower Horsepen	0.06	0.11	0.04	20.73	21.40
Pocahontas #8	0.00	0.13	0.05	0.11	0.35
Pocahontas #7	0.00	0.00	0.00	7.02	7.11
Pocahontas #6	0.00	0.00	0.00	11.43	11.65
Pocahontas #5	0.44	0.30	0.32	40.17	42.20
Pocahontas #4	0.00	0.00	0.00	38.29	38.85
Pocahontas #3	0.00	0.00	0.00	83.68	84.36
Total	2.19	1.87	2.41	678.27	708.36

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Coals Mined in Dickenson County

Name of Bed	Production 1980 1*	Production 1981 2*	Production 1982 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
Kelly	0.00	0.00	0.00	0.00	4.69
Imboden	0.15	0.36	0.57	1.26	4.38
Clintwood	0.41	0.27	0.39	65.29	79.04
Eagle	0.18	0.05	0.04	13.90	18.80
Blair	0.21	0.21	0.12	13.04	14.39
Lyons	0.04	0.05	0.02	8.72	9.04
Dorchester	0.16	0.11	0.07	92.23	94.42
Horton	0.02	0.00	0.00	1.18	1.51
Hagy	0.01	0.00	0.01	50.61	51.54
Splashdam	0.67	0.54	0.54	300.47	322.47
Upper Banner	1.47	1.82	2.36	283.84	325.43
Lower Banner	1.16	1.38	1.14	316.52	339.90
Kennedy	0.11	0.06	0.03	433.50	434.96
Ailly	0.00	0.00	0.00	8.25	8.26
Raven	0.59	0.55	0.58	390.65	393.37
Jawbone	0.47	0.65	0.71	472.29	475.47
Tiller	0.24	0.05	0.01	4.84	94.45
Total	5.89	6.10	6.59	2456.59	2672.12

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Coals Mined in Russell County

Name of Bed	Production 1980 1*	Production 1981 2*	Production 1982 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
Dorchester	0.00	0.04	0.00	0.04	0.08
Splashdam	0.00	0.00	0.00	8.19	8.58
Upper Banner	0.04	0.09	0.10	11.62	16.00
Lower Banner	0.03	0.09	0.14	41.92	45.87
Big Fork	0.16	0.17	0.05	2.99	4.80
Kennedy	0.13	0.21	0.14	125.10	128.09
Raven	0.20	0.24	0.26	96.19	98.84
Jawbone	0.60	0.52	0.51	239.75	249.47
Tiller	0.32	0.26	0.15	127.63	154.56
Burton's Ford	0.00	0.00	0.00	12.96	13.01
Total	1.48	1.62	1.35	666.39	719.30

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Coals Mined in Wise County

Name of Bed	Production 1979 1*	Production 1980 2*	Production 1981 3*	Reserves as of 1/1/83 4*	Reserves as of 1/1/51 4*
High Splint	0.20	0.16	0.36	19.39	28.15
Morris	0.43	0.33	0.32	25.79	28.74
Pardee	1.23	1.03	1.24	61.06	74.19
Phillips	0.13	0.15	0.00	10.16	11.88
Low Splint	0.50	0.39	0.59	94.74	99.59
Taggart	0.99	0.93	1.09	80.08	121.29
Taggart Marker	0.50	0.23	0.24	77.96	85.79
Upper Standiford	0.07	0.14	0.19	64.64	70.34
Pinhook	0.09	0.10	0.03	3.25	3.87
Kelly	1.00	0.87	0.98	129.02	149.17
Imboden	1.39	1.11	1.28	140.15	186.33
Rocky Ford	0.00	0.01	0.04	0.19	0.24
Addington	0.00	0.00	0.00	4.28	4.36
Clintwood	1.13	1.32	1.57	147.95	167.39
Blair	1.05	1.15	0.85	145.51	157.02
Lyons	0.39	0.51	0.45	125.39	132.34
Dorchester	1.35	1.44	1.25	174.59	193.97
Norton	0.71	0.73	0.70	159.98	170.19
Hagy	0.01	0.00	0.00	8.94	9.08
Splashdam	0.01	0.08	0.15	8.41	11.36
Upper Banner	0.42	0.44	0.61	82.00	94.10
Lower Banner	0.03	0.17	0.06	113.24	116.78
Kennedy	0.01	0.01	0.00	112.39	112.85
Raven	0.00	0.21	0.15	129.51	130.71
Jawbone	0.90	0.88	1.03	146.89	157.40
Tiller	0.00	0.01	0.01	5.10	5.29
Cover Creek	0.00	0.00	0.00	0.19	0.19
Burton's Ford	0.00	0.00	0.00	8.34	8.42
Eagan	0.00	0.00	0.00	6.32	6.32
Starnes	0.00	0.00	0.00	2.70	2.71
Tacus	0.00	0.00	0.00	5.49	5.49
Total	12.54	12.40	13.19	2093.65	2345.60

* In millions of short tons

1. Calculated by subtracting coal reserves as of 1/1/81 from reserves of 1/1/80 as reported in the 1979 and 1980 Annual Report of the Virginia Department of Labor and Industry.
2. Similar calculations as 1 using the 1980 and 1981 Annual Report.
3. Similar calculations as 1 using the 1981 Annual Report and other data from the Virginia Department of Labor and Industry.
4. Virginia Department of Labor and Industry.

Table 4. Summary of coal mining in Virginia for 1982.

Virginia Department of Labor and Industry.

Tonnage	Buchanan	Dickenson	Lee	Pulaski	Russell	Scott	Tazewell	Wise	Total
Tipple	3,706,353	2,033,619	678,736	0	580,257	0	744,340	2,538,255	10,281,560
Strip	1,143,009	1,235,904	173,269	8,600	209,467	0	107,560	5,110,249	7,988,058
Truck	10,310,285	3,294,915	810,700	0	445,502	0	1,553,912	5,441,700	21,857,014
Auger	81,913	18,110	38,391	0	112,956	0	4,122	99,164	354,656
Total	15,241,560	6,582,548	1,701,096	8,600	1,348,182	0	2,409,934	13,189,368	40,482,288
Tons Mined by:									
Machine									
Tipple	196,079	0	1,200	0	0	0	0	0	197,279
Strip	1,143,009	1,235,904	173,269	8,600	209,467	0	107,560	5,110,249	7,988,058
Truck	5,527,776	1,834,765	223,910	0	439,614	0	842,244	1,204,930	10,072,239
Auger	81,913	18,110	38,391	0	112,956	0	4,122	99,164	354,656
Total	6,948,777	3,088,779	436,770	8,600	762,037	0	952,926	6,414,343	18,612,232
Continuous Mines									
Tipple	2,385,248	2,033,619	677,536	0	580,257	0	744,340	2,538,255	8,959,255
Truck	4,769,863	1,460,150	585,707	0	5,809	0	711,473	4,236,770	11,769,772
Total	7,155,111	3,493,769	1,263,243	0	586,066	0	1,455,813	6,775,025	20,729,027
Hand									
Truck	12,646	0	1,083	0	79	0	1,195	0	15,003
Longwall									
Tipple	1,124,026	0	0	0	0	0	0	0	1,125,026
Number of Mines									
Tipple	20	14	2	0	4	0	3	11	54
Strip	34	27	27	1	13	0	2	108	212
Truck	279	77	26	0	22	0	30	88	522
Auger	9	1	8	0	3	0	1	18	40
Total	342	119	63	1	42	0	36	225	828

GAS AND OIL PRODUCTION

NATURAL GAS PRODUCTION

Natural gas production in Virginia for 1982 totaled 6,880,116 Mcf from 294 wells of 13 companies in six counties (Figure and Table 5). This represented a decrease of 2,022,331 Mcf or 23 percent under 1981's total production. Philadelphia Oil Company had the largest production during 1982 with 105 wells producing a total of 3,548,416 Mcf, which was delivered to the lines of Kentucky-West Virginia Gas Company (Table 6). Columbia Gas Transmission Corporation had the second largest production with 113 wells producing 2,193,959 Mcf into its own transmission lines. Columbia additionally purchased gas from 14 wells of Consol-Ray Resources, two wells from W. E. Elliott, three wells from Merrill Natural Resources, and one well

of New Frontier Exploration for a grand total of 2,604,826 Mcf delivered to its transmission system. Kentucky-West Virginia Gas Company purchased gas from Philadelphia Oil Company and three wells from Pittston Resources for a total of 3,612,392 Mcf delivered to its lines from wells within the Commonwealth. Consolidated Gas Supply Corporation

Table 5. Natural gas production in Virginia by county for 1982.

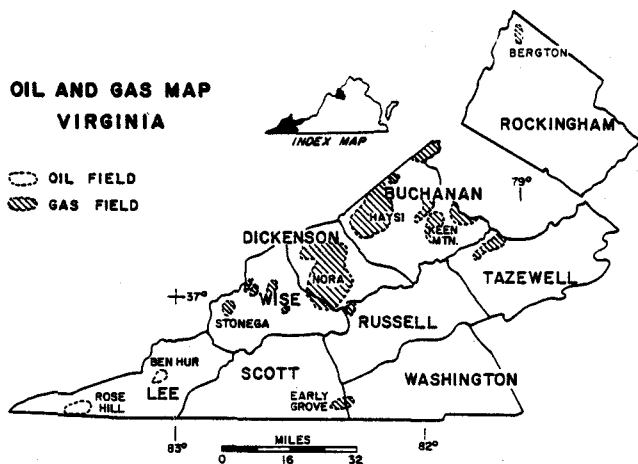
COUNTY	PRODUCING WELLS	VOLUME PRODUCED Mcf
Buchanan	127	2,234,007
Dickenson	132	3,578,968
Rockingham	5	196,180
Russell	1	4,708
Tazewell	20	311,452
Wise	9	544,801
TOTALS	294	6,880,116

Table 6. Natural gas production in Virginia by company for 1982.

COMPANY	PRODUCING WELLS	VOLUME PRODUCED Mcf
Ashland Exploration, Inc.	36	464,807
Cabot Corporation	1	18,860
Columbia Gas Transmission Corporation	113	2,193,959
Consol-Ray Resources	14	192,292
Controlled Resources Oil and Gas	1	1,494
W. E. Elliott, Trustee Acct. 508	2	22,735
Merrill Natural Resources, Inc.	3	196,160
New Frontier Exploration, Inc.	2	20
Panther Creek Ltd. Partnership	1	36,034
Philadelphia Oil Company	105	3,548,416
Pittston Resources	4	68,684
P & S Oil and Gas Corporation	6	30,277
Texas International Petroleum Corporation	6	106,778
TOTALS	294	6,880,116

OIL AND GAS MAP
VIRGINIA

○ OIL FIELD
 ■ GAS FIELD



purchased gas from 36 wells of Ashland Exploration, Incorporated, six wells from Texas International Petroleum, six wells of P&S Corporation, one well of Panther Creek Ltd. Partnership, and one well of Cabot Corporation for a grand total of 656,756 Mcf delivered to its transmission system. Pittston Resources in Russell County produced from one well 4,708 Mcf for local use while Controlled Resources Oil and Gas in Wise County produced 1,494 Mcf for local use from one well (Table 7).

Table 7. Natural gas production in Virginia for 1982 by county and company (production in Mcf).

BUCHANAN COUNTY		
COMPANY	PRODUCING WELLS	VOLUME PRODUCED
Ashland Exploration, Incorporated	36	464,807
Cabot Corporation	1	18,860
Columbia Gas Transmission Corporation	77	1,577,251
Panther Creek Ltd. Partnership	1	36,034
P&S Oil and Gas Corporation	6	30,277
Texas International Petroleum Corporation	6	106,778
TOTAL	127	2,234,007
DICKENSON COUNTY		
Columbia Gas Transmission Corporation	30	497,148
W. E. Elliott, Trustee Acct. 508	2	22,735
Philadelphia Oil Company	97	2,995,109
Pittston Resources	3	63,976
TOTAL	132	3,578,968
ROCKINGHAM COUNTY		
Merrill Natural Resources, Incorporated	3	196,160
New Frontier Exploration, Incorporated	2	20
TOTAL	5	196,180
RUSSELL COUNTY		
Pittston Resources	1	4,708
TOTAL	1	4,708
TAZEWELL COUNTY		
Columbia Gas Transmission Corporation	6	119,160
Consol-Ray Resources	14	192,292
TOTAL	20	311,452
WISE COUNTY		
Controlled Resources Oil and Gas	1	1,494
Philadelphia Oil Company	8	553,307
TOTAL	9	554,801

CRUDE OIL PRODUCTION

Crude oil production continued to increase in 1982 with a total of 49,425 barrels produced from 20 wells (Table 8). This represented an increase of 36,181 barrels. The Rose Hill Field yielded a total of 4,090 barrels of crude oil during 1982 with the Ben Hur Field yielding about 92 percent of the total production for the State, 45,335 barrels. The average price paid for 1982 by the refineries for Virginia crude oil was \$30.00 per barrel.

EXPLORATION AND DEVELOPMENT SUMMARY

Drilling activity in Virginia increased from the previous years total by 70 with a total of 100 new wells drilled (Tables 9 and 10). The new well total of 100 represents an increase of 233 percent over the previous years total of 30. The total footage drilled in Virginia amounted to 433,293 feet. The total footage for 1982 is an increase of 288,633 feet over last years footage of 144,660 feet. This represents an increase of about 200 percent. The average footage drilled for the 70 development wells was 4,173 feet and 4,707 feet for the 30 exploratory wells. Of the 100 new wells drilled during 1982, 75 were completed or scheduled to be completed as producers, while 25 wells were dry. Of the 25 dry holes, 17 were drilled for oil and eight were drilled for gas. This is a success ratio of 28 percent. However, development drilling had a success ratio of 90 percent with 63 of 70 wells completed or scheduled to be completed as producers.

Table 8. Crude oil production in Virginia for 1982 by field and company (production in barrels).

FIELD	COMPANY	NO. OF PRODUCING WELLS	PRODUCTION
Rose Hill	Eastern States Exploration	1	119
	Longview Oil Company	1	131
	Merrill Natural Resources, Inc.	1	667
	Pride Oil Company	1	2,972
Ben Hur	Witt Oil and Drilling Company	1	201
	APACO Petroleum, Incorporated	1	24,092
	Ben Hur Oil Company	4	10,017
	Eastern States Exploration	1	603
	Mountain Empire Oil and Gas Co.	1	1,517
	Raintree Oil Company	3	2,208
	Virginia Oil and Gas Exploration	3	6,898
TOTALS		20	49,425

Table 9. Crude oil production in Virginia for 1982 by quarter (production in barrels).

QUARTER	BEN HUR FIELD (LEE COUNTY)	ROSE HILL FIELD (LEE COUNTY)	TOTALS STATE
First	6,680	1,004	7,694
Second	16,045	913	16,958
Third	10,892	879	11,771
Fourth	11,716	1,296	13,012
Totals	45,333	4,092	49,425

Table 10. New wells drilled in 1982 by county and operator.

COUNTY	OPERATOR	LEASE	WELL CLASSIFICATION	WELL NO.	TOTAL DEPTH FT.	AGE, ZONE OR FORMATION AT T.D. ¹	PRODUCING FORMATION(S) OR ZONES ¹	INITIAL OPEN FLOW MCF/BOPD	FINAL OPEN FLOW MCF/BOPD	REMARKS
Botetourt	Columbia Gas Transmission Corporation	Tredegar Company	New Field Wildcat	20750-T	9,219	Copper Ridge Dolomite			Dry	
Buchanan	Ashland Exploration Incorporated	Lon B. Rogers, et. al.	Development	24,092661	5,336	Devonian shale	Big Lime Berea	Show	219 MCF	
	Ashland Exploration Incorporated	Clinchfield Litz Unit	Development	1-09281	5,182	Devonian shale	Berea	22 MCF	1,834 MCF	
	Columbia Gas Transmission Corporation	Buchanan Energy Corporation	Development	20225	5,743	Corniferous	Devonian shale	0 MCF	189 MCF	
	Columbia Gas Transmission Corporation	Denise Jordon et.al.	Development	20291-T	5,323	Corniferous	Devonian shale	0 MCF	189 MCF	
	Columbia Gas Transmission Corporation	New Era Coal Corporation	Development	20719	5,557	Corniferous	Big Lime Weir Devonian shale	Show	84 MCF	
	Columbia Gas Transmission Corporation	Buchanan Energy Corporation	Development	20713	5,335	Devonian shale	Ravenclyff Devonian shale	Show	211 MCF	
	Columbia Gas Transmission Corporation	Pittston Resources	Development	20292-T	6,145	Corniferous	Berea Devonian shale	82 MCF	442 MCF	
	Columbia Gas Transmission Corporation	Pittston Resources	Development	20292-T	6,145	Corniferous	Berea Devonian shale	0 MCF	793 MCF 311 MCF	
	Columbia Gas Transmission Corporation	Pittston Resources	Development	20990	5,048	Corniferous	Devonian shale	249 MCF	712 MCF	
	Columbia Gas Transmission Corporation	Big Sandy Corporation	Development	21020	3,182	Berea	Berea	84 MCF	839 MCF	
	Panther Creek Ltd., Partnership	A.B. Jewel Farm	Development	A.B. Jewel # 1	4,976	Devonian shale	Berea	36 MCF	2,500 MCF	
	Panther Creek Ltd., Partnership	A.B. Jewel	Development	A.B. Jewel	5,183	Devonian shale	Berea	Show	486 MCF	
	Peake Operating	W.K. Breeding Unit	Development	#1-B Breeding	4,973	Devonian shale	Big Lime Berea	66 MCF 4 MCF	793 MCF 311 MCF	
Texas International Petroleum Corporation	Georgia Pacific Corporation	Georgia Pacific Corporation	Development	I.C. 49 ment	4,750	Devonian shale	Devonian shale	Show		Shut in For Evaluation
	Georgia Pacific Corporation	Georgia Pacific Corporation	Development	I.C. 16	6,535	Corniferous	Devonian shale	Show		Shut in For Evaluation
	Georgia Pacific Corporation	Georgia Pacific Corporation	Development	I.C. 20	6,309	Corniferous	Devonian shale	Show		Shut in For Evaluation
Chesterfield	Cornell Oil Company	Irvin Horner Farm	New Field Wildcat	#1 Horner	6,386	Triassic			Dry	
	Cornell Oil Company	W.H. Bailey	New Field Wildcat	#1 Bailey	7,438	Triassic			Dry	

	Merrill Nat- ural Resources Incorporated	Georgia Pacific Corp.	New Field Wildcat	#1 Georgia Pacific	2,320	Triassic			Dry
	Merrill Nat- ural Resources Incorporated	Ludson Hudgins Farm	New Field Wildcat	#1 Hudgins	2,700	Triassic			Dry
	Merrill Nat- ural Resources	Cassel Adamson	New Field Wildcat	# 1 Adamson	2,780	Triassic			Dry
	Merrill Nat- ural Resources Incorporated	Marguerite Turner Farm	New Field Wildcat	# 1 Turner	2,700	Triassic			Dry
	Merrill Nat- ural Resources Incorporated	Marguerite Turner Farm	New Field Wildcat	# 2 Turner	2,770	Triassic			Dry
	Merrill Nat- ural Resources Incorporated	Chesapeake Corporation	New Field Wildcat	#1 Chesa- peake	3,080	Triassic			Dry
	Merrill Nat- ural Resources Incorporated	Continental Can	New Field Wildcat	#1 Contin- ental Can	2,700	Triassic			Dry
	Merrill Nat- ural Resources	Continental Can	New Field Wildcat	#4 Contin- ental Can	2,700	Triassic			Dry
Dickenson	Columbia Gas Transmission Corporation	Pittston Resoruces	Develop- ment	21022	4,374	Berea	Berea	0 MCF	417 MCF
	Columbia Gas Transmission Corporation	Pittston Resources	Develop- ment	21027	4,766	Devonian shale	Berea	0 MCF	215 MCF
	Philadelphia Oil Company	Shrole Incorpor- ated	Develop- ment	P-20	5,468	Devonian shale	Berea	0 MCF	353 MCF
	Philadelphia Oil Company	Pittston Resources	Develop- ment	P-122	5,049	Devonian shale	Berea	15 MCF	169 MCF
	Philadelphia Oil Company	VICC Company	Develop- ment	P-125	6,073	Devonian shale	Big Lime Berea	0 MCF	84 MCF 119 MCF
	Philadelphia Oil Company	VICC Company	Develop- ment	P-109	5,468	Devonian shale	Berea	40 MCF	1,023 MCF
	Philadelphia Oil Company	VICC Company	Develop- ment	P-110	5,824	Devonian shale	Berea Big Lime	Show	298 MCF
	Philadelphia Oil Company	VICC Company	Develop- ment	P-111	5,499	Devonian shale	Ravenclyffe Big Lime Berea	332 MCF	1,000 MCF 283 MCF 231 MCF
	Philadelphia Oil Company	Pittston Resources	Develop- ment	P-132	5,148	Devonian shale	Berea	33 MCF	327 MCF
	Philadelphia Oil Company	Nell Phipps Estates	Develop- ment	P-134	5,326	Devonian shale	Weir Berea	0 MCF	84 MCF 189 MCF
	Philadelphia Oil Company	Weingarten Estate	Develop- ment	P-124	5,144	Devonian shale	Big Lime Berea	75 MCF	423 MCF 327 MCF
	Philadelphia Oil Company	Weingarten Estate	Develop- ment	P-123	5,574	Devonian shale	Big Lime Berea	384 MCF	880 MCF 984 MCF
	Philadelphia Oil Company	Weingarten Estate	Develop- ment	P-133	4,934	Devonian shale	Berea	84 MCF	998 MCF
	Philadelphia Oil Company	Steinman Development Corporation	Develop- ment	P-140	4,448	Devonian shale	Berea	0 MCF	462 MCF
	Philadelphia Oil Company	Pittston Resources	Develop- ment	P-143	5,358	Devonian shale	Weir Berea	0 MCF	169 MCF 298 MCF
	Philadelphia Oil Company	Pittston Resources	Develop- ment	P-151	5,388	Devonian shale	Berea	0 MCF	1,100 MCF

	Philadelphia Oil Company	Albert Adkins Farm	Development	P-135	4,773	Devonian shale	Big Lime Berea	42 MCF	60 MCF 383 MCF	
Lee	APACO Petroleum, Incorporated	Dale Smith Farm	Development	#1 Smith	1,812	Trenton				Shut In For Eval.
	APACO Petroleum, Incorporated	Gale Slemp Farm	Development	#1 Slemp	2,412	Eggleson Limestone	Reedsville Shale		4 BOPD	
	APACO Petroleum, Incorporated	Aubra Dean Farm	Development	#1 Aubra	2,664	Eggleson Limestone	Trenton	274 BOPD	60 BOPD	
	APACO Petroleum, Incorporated	Aubra Dean Farm	Development	#2 Aubra	2,236	Trenton Limestone	Reedsville Shale	36 BOPD	15 BOPD	
	ARCO Oil and Gas Company	Campbell Slemp Farm	New Field Wildcat	#1 Campbell Slemp	13,252	Upper Cambrian			Dry	
	Ben Hur Oil Company	H.M. Williams Farm	Development	#1 Williams	2,550	Eggleson Limestone	Reedsville Shale	25 BOPD	2 BOPD	
	Ben Hur Oil Company	James Dean Farm	Development	#1 J. Dean	2,550	Trenton Limestone	Trenton	65 BOPD	9 BOPD	
	Ben Hur Oil Company	Clarence Strouth Farm	Development	#1 Strouth	2,797	Moccasin Limestone	Trenton	15 BOPD	5 BOPD	
	Ben Hur Oil Company	Frank Seabolt Farm	Development	#1 Seabolt	2,450	Eggleson Limestone	Trenton	100 BOPD	19 BOPD	
	Ben Hur Oil Company	Ewing Bledsoe Unit	Development	#1 BH	1,947	Trenton Limestone			Dry	
	BMW Resources Incorporated	Ewell Frye Farm	Development	#1 E. Frye	2,837	Trenton Limestone				Shut In For Eval.
	Eastern States Exploration Incorporated	Dale Elderidge Farm	Development	#1 Elderidge	2,200	Trenton Limestone	Trenton	150 BOPD	30 BOPD	
	Eastern States Exploration Incorporated	C.P. Waddell Farm	Development	#1 C.P. Waddell	2,850	Trenton Limestone	Clinch Sandstone	8 BOPD	2 BOPD	
	Hughes and Irving Enterprises	Hidden Hollow Farm	New Pool Wildcat	#1-HI	1,600	Copper Ridge Dolomite			Dry	
	Hydrocarbon Development Corporation	Hobert Matlock Farm	Development	#1 Matlock	1,600	Hancock Dolomite			Dry	
	Omni Petroleum, Inc.	James Bledsoe Farm	Development	#1 Omni Unit	2,764	Trenton Limestone	Trenton			Shut In For Eval.
	Raintree Oil Company	Gladys Ely Unit	Development	#1 Ely	1,820	Trenton Limestone	Trenton	80 BOPD	3 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Development	#2 Ely	1,630	Trenton Limestone	Trenton	100 BOPD	7 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Development	#3 Ely	1,860	Trenton Limestone	Trenton	150 BOPD	13 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Development	#10 Ely	1,835	Trenton Limestone	Trenton			Shut In For Eval.
	Raintree Oil Company	Samuel Livesay	Development	#1 Livesay	2,880	Trenton Limestone	Trenton			Shut In For Eval.
	Raintree Oil Company	Pete Williams Farm	Development	#1 P. Williams	2,280	Trenton Limestone			Dry	

	Curtis Rowlett	Curtis Rowlett Farm	Development	#1 Rowlett	2,540	Trenton Limestone	Clinch Sandstone	Show	1 BOPD	Shut In For Eval
	Stonewall Gas Company	Starling Farm	New Field Wildcat	#1 Cope	2,537	Trenton Limestone				Shut In For Eval.
	Stonewall Gas Company	Chester Surgener Farm	New Field Wildcat	#1 Surgener	3,796	Moccasin Limestone				Shut In For Eval.
	Virginia Oil and Gas Exploration, Incorporated	Lesilie Terry Farm	Development	#1 Terry	2,363	Trenton Limestone	Trenton			Shut In For Eval.
	Virginia Oil and Gas Exploration, Incorporated	Lesilie Terry Farm	Development	#2 Terry	2,530	Trenton Limestone			Dry	
	Virginia Oil and Gas Exploration Incorporated	F. S. Howard Farm	Development	#1 F.S. Howard	2,486	Trenton Limestone	Trenton			Shut In For Eval.
	Virginia Oil and Gas Exploration Incorporated	Dana Wooliver Farm	New Field Wildcat	#1 Wooliver	1,360	Copper Ridge Dolomite			Dry	
	Virginia Oil and Gas Exploration, Incorporated	Castle Daugherty Farm	Development	#1 Daugherty	3,160	Trenton Limestone	Trenton	Show	1 BOPD	Shut In For Eval.
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10010	5,863	Corniferous	Big Lime Weir	Show Show	5 BOPD/30 MCF 103 MCF	
	Witt Oil and Drilling Co.	Ben Campbell Farm	Development	#3 Campbell	1,990	Eggleston Limestone			Dry	
Rockingham	Merrill Natural Resources Incorporated	Federal Tract 308-A	New Field Wildcat	#3 Dry River Unit	4,042	Oriskany			Dry	
	Merrill Natural Resources	Granville Moyers Farm	Development	#1 Granville Moyers	4,913	Brallier Shale			Dry	
	Merrill Natural Resources Incorporated	Loy and Franklin Moyers Farm	Development	#1 Loy Moyers	4,035	Oriskany Sandstone			Dry	
Scott	Early Grove Gas Company	Earl Ridgeway Farm	Development	#2 Ridge-way	5,296	Devonian shale				Shut In For Eval.
	Scott County Development	James Butler Farm	New Field Wildcat	#1 Baker	2,296	Clinch Sandstone	Clinton-Clinch Undivided	Show	60 MCF	
	Wise Oil and Gas Exploration Incorporated	Hagen Estates	Outpost Extension Test	10007	5,803	Corniferous	Berea Devonian shale	Show	103 MCF	
	Wise Oil and Gas Exploration Incorporated	Hagan Estates	Outpost Extension Test	10008	4,939	Corniferous			Dry	Shut In For Eval
Washington	Early Grove Gas Company	George Bondurant	Development	#1 Bondurant	3,720	Devonian shale				Shut In For Eval.
	Early Grove Gas Company	Clay Harless Farm	Development	#1 Harless	4,206	Price Sandstone				

Wise	Early Grove Gas Company	Charles Dorton Farm	Development	#1 Dorton	4,010	Price Sandstone				Shut In For Eval.
	Highlander Resources	Blake-Wolfe Run	New Field Wildcat	#1 Blake Wolfe Run	7,140	Chemung			Dry	
	ANR Production Company	VICC Company	Development	ANP-1	6,559	Corniferous	Berea Devonian shale	0 MCF	300 MCF 65 MCF	
	ANR Production Company	VICC Company	Development	ANP-3	6,197	Corniferous				Shut In For Eval.
	ANR Production Company	VICC Company	Development	ANP-16	5,840	Corniferous	Berea Devonian shale	Show	286 MCF 50 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension	10001	4,999	Corniferous			Dry	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10002	5,543	Corniferous	Big Lime Weir Devonian shale	103 MCF	666 MCF 134 MCF 133 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10003	5,560	Corniferous	Weir Devonian shale	Show	665 MCF 215 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10004	5,338	Corniferous	Weir	47 MCF	1,400 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10005	5,965	Sequatchie	Berea Devonian shale	539 MCF	1,555 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension	10006	5,458	Corniferous	Berea	47 MCF	231 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Development	10009	5,579	Corniferous	Weir Devonian shale	60 MCF	3,095 MCF 100 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Development	10011	5,508	Corniferous	Weir Devonian shale	84 MCF	1,343 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Development	10012	5,526	Corniferous	Big Lime	60 MCF 103 MCF	274 MCF 103 MCF 103 MCF	
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10013	5,579					
	Wise Oil and Gas Exploration Incorporated	Penn-Va Resources	Outpost Extension Test	10015	5,339					

¹ Usually given in informal drillers terms.

The counties of Botetourt, Buchanan, Chesterfield, Dickenson, Lee, Rockingham, Scott, Washington, and Wise experienced some drilling activity during 1982.

Botetourt County

In Botetourt County, Columbia Gas Transmission Corporation drilled a new field wildcat well near Gala, Virginia. The test well reached a total depth of 9,219 feet in the Copper Ridge Dolomite. After treatment the well did not respond and was plugged and abandoned.

Buchanan County

In Buchanan County a total of 15 new wells were drilled by various companies. Columbia Gas was the leader with the drilling of seven new development wells for a total footage of 36,963 feet. All seven were completed as producers. Texas International Petroleum was second with the drilling of three new development wells with a total footage of 17,594 feet. The wells at this writing are shut-in for evaluation and should be completed as producers in the near future. Ashland Exploration, Incorporated continued to expand its operations in Virginia by the drilling of two new development wells for a total drilled footage of 10,518 feet. Both were completed as producers. Panther Creek Ltd. Partnership drilled and completed as producers two new development wells for a total drilled footage of 10,159 feet. Peake Operating, late in 1982, drilled and completed as a producer, one new development well for a total footage of 4,793 feet.

Chesterfield County

In Chesterfield County a total of ten new field wildcats were drilled in the Triassic Richmond basin. The wells were drilled in search of crude oil. Cornell Oil Company drilled two wells for a total drilled footage of 13,824 feet. Both wells were dry. Merrill Natural Resources, Incorporated drilled a total of eight new field wildcats for a total drilled footage of 21,680 feet. All the wells were dry.

Dickenson County

In Dickenson County a total of 17 new development wells were drilled. Philadelphia Oil Company led the way with the drilling of 15 wells for a total footage drilled of 79,492 feet. All 15 wells were completed as producers. Meanwhile, Columbia Gas drilled two new development wells for a total footage of 9,140 feet. Both wells were completed as producers.

Lee County

In Lee County a total of 32 new wells were drilled. Thirty of the wells were drilled in search of crude oil and two were drilled for natural gas. The two wells drilled for natural gas were both exploratory wells. ARCO Oil and Gas Company drilled the #1 Campbell Slemo, a new field wildcat, for a total footage of 13,252 feet. The well, after stimulation, failed to respond and was plugged. Wise Oil and Gas Exploration, Incorporated drilled an outpost extension test to a total depth of 5,863 feet. The well was successfully completed as a producer.

The oil fields of Lee County were drilled by a total of twelve different companies. APACO Petroleum, Incorporated drilled four new development wells for a total footage of 9,124 feet. All were completed as producers. Ben Hur Oil Company drilled five new development wells for a total drilled footage of 12,294 feet. Four wells were completed as producers and one was dry. BMW Resources, Incorporated drilled one new development well and will complete it as a producer for a total footage of 2,837 feet. Eastern States Exploration, Incorporated drilled and completed as producers two new development wells for a total drilled footage of 5,050 feet. Hughes and Irving Enterprises attempted a new pool wildcat, but because of water problems, had to abandon at 1,600 feet. Hydrocarbon Development Corporation in drilling a new development well had to abandon at 1,600 feet because of water. Omni Petroleum, Incorporated drilled one new development well to a total depth of 2,764. The well will be completed as a producer in the near future. Raintree Oil Company drilled six new development wells for a total footage drilled of 12,305 feet. Three of the wells were completed as producers, two wells will be completed as producers in the near future, and one was dry. Curtis Rowelett drilled and completed as a producer one new development well for a total footage of 2,540 feet. The well is presently shut in for further evaluation. Stonewall Gas Company drilled and completed two new field wildcats for a total drilled footage of 6,333 feet. Both will be completed as producers in the near future. Virginia Oil and Gas Exploration, Incorporated drilled a total of five new wells, four development and one new field wildcat. Of the four development wells, three were completed as producers but were shut in for further evaluation, while one was dry. The total development footage drilled was 10,539 feet. The new field wildcat was drilled to a total depth of 1,360 feet, but because of water problems was abandoned. Witt Oil and Drilling drilled one new development well which was dry for a total footage of 1,990 feet.

Return Postage Guaranteed

Rockingham County

In Rockingham County there were three new wells drilled, two development wells and one new field wildcat. All three wells were drilled by Merrill Natural Resources, Incorporated and all were dry. The two development wells were drilled with a total footage of 8,948 feet. The one new field wildcat reached total depth at 4,042 feet.

Scott County

In Scott County four new wells were drilled. Of the four new wells, one was a development well, two were outpost extension tests, and one was a new field wildcat. Early Grove Gas Company drilled one new development well for a total footage of 5,296 feet. The well will be completed as a producer in the near future. Wise Oil and Gas Exploration, Incorporated drilled two outpost extension tests for a total drilled footage of 10,742. One was completed as a producer and one was dry. Scott County Development Program drilled one new field wildcat to a total depth of 2,296 feet and completed it as a producer.

Washington County

In Washington County there were four new wells drilled, three development and one new field wildcat. Early Grove Gas Company drilled three new development wells for a total drilled footage of 11,936 feet. All three wells are shut in for evaluation but will be completed as producers in the near future. Highlander Resources, Incorporated drilled a new field wildcat to a total depth of 7,140 feet. The well did not respond to stimulation and was abandoned.

Wise County

In Wise County a total of 14 new wells were drilled. ANR Production Company drilled three new development wells for a total drilled footage of 19,596 feet. Two of the wells were drilled and completed as producers with the third well scheduled to be completed in the near future. Wise Oil

and Gas Exploration, Incorporated drilled a total of eleven wells during 1982. Eight of the wells drilled were outpost extension tests with the remaining three development wells. Of the eight outpost extension tests, seven were completed as producers with one being dry. The total footage for the test wells was 43,781 feet. All three of the development wells drilled were completed as producers with a total footage drilled of 16,613 feet.

The wells drilled for natural gas within the Commonwealth were completed for future production derived from the Mississippian "Ravencliffe", Greenbrier ("Big Lime"), "Injun", "Berea", Upper Devonian and Silurian sandstones (Clinton-Clinch Undivided). The wells drilled for crude oil within the Commonwealth were completed in the Silurian Clinch Sandstone and Ordovician Reedsville Shale, Trenton Limestone, and Eggleston Formation.

CERTIFICATION PROGRAM FOR GEOLOGISTS

Figures released on July 20 by the Virginia Board of Geology showed that 579 persons have been certified as professional geologists since April, 1983. The Board, created in July, 1981 and a part of the Department of Commerce, administers the State certification program for geologists.

As a result of legislative action taken during the 1984 General Assembly and signed into law by Governor Robb, the Board has authority to extend the date to end waiver of academic requirements for certification to July 30, 1984. Prior to the 1984 legislation, the date to end waiver of academic requirements was April 22, 1984. The legislation also expands the authority of the Board regarding development of examinations.

The deadline under the "grandfather" clause was July 30, 1984. For all other interested persons, application packages and other information may be obtained from the office of the Virginia Board of Geology by writing or calling:

Virginia Board of Geology
3600 West Broad Street, 5th Floor
Richmond, Virginia 23230-4917
(804) 257-8555